

94/04

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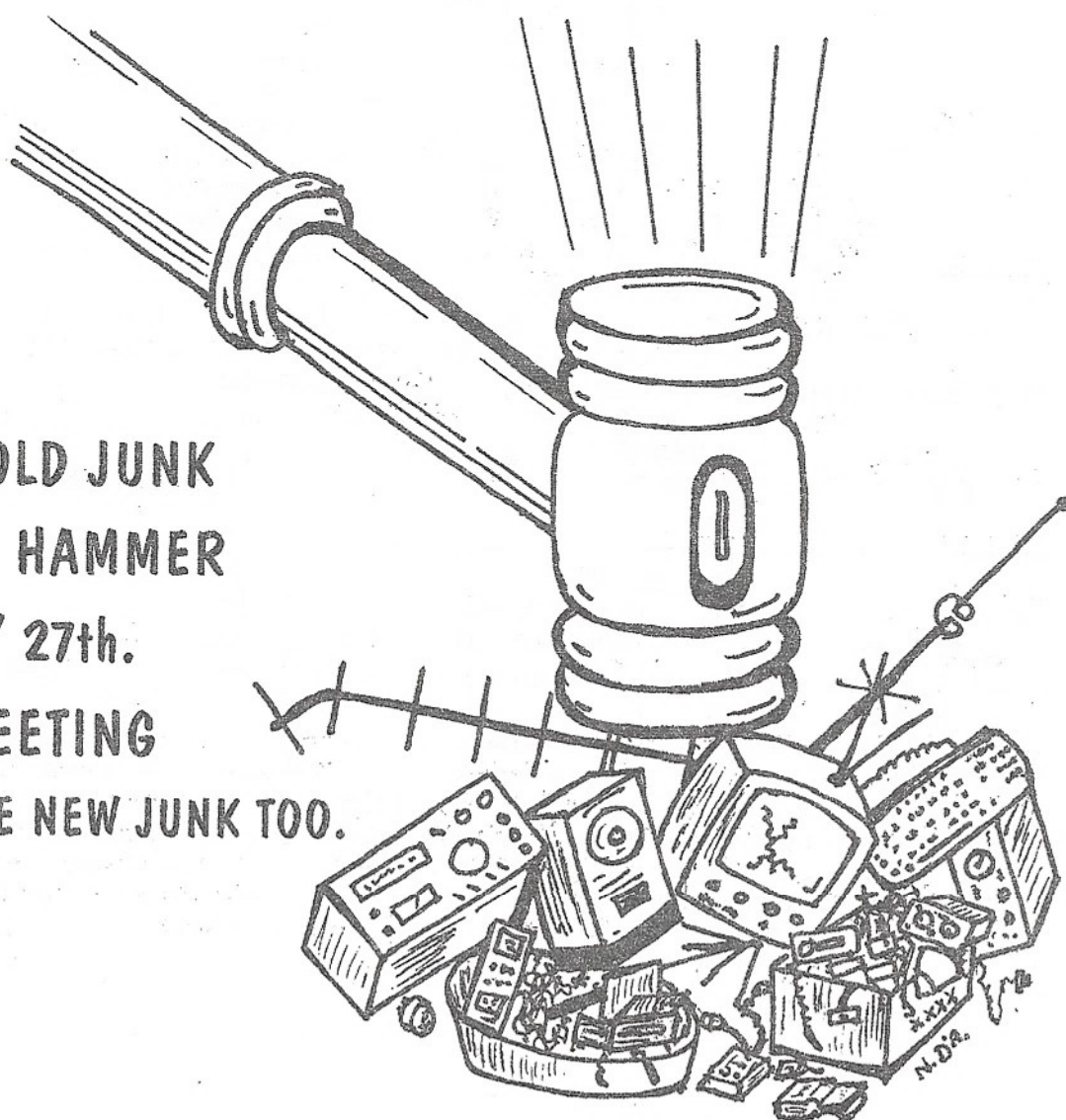
--- APRIL 1994 ---



B.A.R.G. NEWS.

Newsletter of the
Ballarat Amateur Radio Group

PUT YOUR OLD JUNK
UNDER THE HAMMER
AT THE MAY 27th.
B.A.R.G. MEETING
AND GET SOME NEW JUNK TOO.





BALLARAT AMATEUR RADIO GROUP INC.
EXECUTIVE COMMITTEE 1993/4

			HOME	WORK
PRESIDENT	CLIFF BILSTON	VK3CCB	361249	204321
IMM.PAST PRESIDENT	IAN ROBINSON	VK3FD	358031	379175
VICE PRESIDENT	ERNIE TURNER	VK3DET	317604	
SECRETARY	GEOFF SMITH	VK3ADB	332112	
TREASURER	HARRY HEKKEMA	VK3KGL	357563	
ASST. SECRETARY	JIM WRIGHT	VK3CFB	327563	
PUBLICITY/NEWSLETTER	NORM D'ANGRI	VK3LBA	341613	
EDUCATION OFFICER	TOM GEORGE	VK3DMK	355662	327234
TECHNICAL OFFICER	DICK ANTOZIEWICZ	VK3AEX	323273	
MEMBERS' REPS.	MARY CURNOW	VK3FMC	301927	
	REG CARTER	VK3CAZ	417585	

OFFICERS AND COMMITTEES

QSL MANAGER	DOUG RAPER	VK3VBA	323565	
NET CO-ORDINATOR	JOHN HOGAN	VK3CJH	447414	
AWARDS MANAGER	MAURIE BATT	VK3XEX	422245	
PROPERTY OFFICER	JEFF PIGDON	VK3PAP	327041	311211
HAMVENTION CONVENOR	TOM GEORGE	VK3DMK	355662	327234
LIBRARIAN/HISTORIAN	RICHARD VOSS	VK3JFL	337045	
WICEN COMMITTEE	GORDON CORNELL	VK3FGC	392427	391135
	GEOFF SMITH	VK3ADB	332112	
	TOM GEORGE	VK3DMK	355662	327234
TECHNICAL COMMITTEE	DICK FORRESTER	VK3VU	357663	391001
	DICK ANTOZIEWICZ	VK3AEX	323273	
	IAN MC.DONALD	VK3AXH		
	DAVID MC.CONNELL	VK3YNB		
	BEN ORCHARD	VK3TOP		377836
	MAURIE BATT	VK3XEX	422245	

REPEATERS: VK3RBA - 146.750 MHz. VOICE. MT.BUNINYONG (- OFFSET)
VK3RBS - 146.900 MHz. VOICE. SMEATON HILL (- OFFSET)
VK3RPC - 144.750 MHz. PACKET MT.WARRENHEIP
VK3RBU - 438.475 MHz. VOICE MT.HOLLOWBACK

CLUB NET: THURSDAY NIGHTS AT 8 PM. (8.30 PM.DURING DAYLIGHT SAVING)
FREQ: 3.610 MHz.+/- ORM.

2 METRE SCRAMBLE: SUNDAY NIGHTS AT 7.50 PM. FREQ:146.425 TO 146.600 MHz.INCL.
CALL BACK HELD ON BALLARAT REPEATER VK3RBA (146.750 MHz.)

MEETINGS: LAST FRIDAY OF EACH MONTH (EXCEPT DECEMBER) AT 7.30 PM.

VENUE: BALLARAT COMMUNITY EDUCATION CENTRE

HOPETOUN ST. BALLARAT

FOX HUNTING: AS ARRANGED DURING YEAR

CORRESPONDENCE
TO

NEWSLETTER ARTICLES
TO

LIFE MEMBERS			
MAURIE BATT	VK3XEX	KEVIN HUGHES	VK3WN
IAN MC.DONALD	VK3AXH	PHIL SEDDON	VK3AQM
GEORGE SMALL	VK3DKJ(SK)	STAN WIDGERY	VK3SE
JIM WRIGHT	VK3CFB		

THE SECRETARY
B.A.R.G. INC.
BOX 1261
MAIL CENTRE
BALLARAT 3354

N.D'ANGRI -VK3LBA
29 LAWRENCE ST.
ALFREDTON
BALLARAT 3350
PHONE 053 341613

DISCLAIMER: While every care is taken in the recording of events & articles in this newsletter, the B.A.R.G.Inc. and it's officers do not accept any liability for any disputed articles or comments. Views expressed are not necessarily those of the Editor or B.A.R.G. officers. Projects are assumed to have been validated by contributors and are presented in good faith. Reproduction of articles by other clubs is permissible, subject to acknowledgement of the source.

(CURRENT 1/4/94).....

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MINUTES OF FEBRUARY MEETING HELD 25TH. FEB. 1994

The meeting was called to order by President Cliff (VK3CCB) at 7.55pm.

APOLOGIES:

Apologies were tendered on behalf of the following: VK3: NIZ, SE, ANH, DOK, TDG, CUH, KIT, EF, JFL, XEX, WN, Wendy and Val.

XDQ/CIS.

CORRESPONDENCE:

OUT: Letter to W.I.A. re Subscriptions.

Letter to Daycom re order for Antenna Analyser.

IN: Magazines from A.R., G.A.R.C., and E.M.A.R.C.

TREASURERS REPORT:

Accounts passed for payment: WIA Exam Service (\$40) SMA Licence (\$36) WIA Books (\$70) Concord Ins.Grp. (\$126.50) Pat Charlton (\$60) WIA Exam Service (\$105) Australia Post (\$37.18) SMB Room Hire (\$30) BCEC Room Hire (\$68) John Graham - Newsletter Printing (\$66.30) Aust.Post- Post Box (\$39) WIA Books (\$357) = Total \$1034.98.

General Account Balance = \$98.00

KGL/KGC.

Q.S.L.'S: Nil received. Nil sent.

PUBLICITY/NEWSLETTER

A new publicity pamphlet is being prepared for circulation to prospective members or to help create community awareness of the club's activities.

Articles for the Newsletter are very scarce. HELP PLEASE!

TECHNICAL:

Installation of new repeater equipment is imminent.

AWARDS: Nil.

CLUB NET: The local net has been well patronised, and the club has initiated the Western Zone net during February. Thanks to John VK3CFH and all who participated. The local net has reverted to an 8pm.start with the cessation of Daylight Saving.

HAMVENTION:

Pre-Organisation of the Organisation is taking place in preparation for this years event. Thanks Tom VK3DMK.

WICEN:

Gordon VK3FGC reported on the recent WICEN activities. Organisers of the Begonia Car Rally and the The Triathlon were appreciative of the effort put in by BARG members. Congratulations to Trevor VK3NTA, and all who participated and thanks for your support.

Events coming up are the Begonia Classic on the 6th.March, the Day/Night Car Rally on the 19th./20th. of March, and the Orienteering World Cup on Wednesday 6th.April and Friday 8th.April.

GENERAL BUSINESS:

*A TS520 rig has been donated to the B.A.R.G. by a retired Amateur.

*New QSL cards are being investigated for use by B.A.R.G. members.

*Procedures for the borrowing of club equipment is to be re-vamped to provide more formal recording of the loaned gear.

*Formal thanks to be sent to Peter VK3AVE for his effort in upgrading the VK3RPC Packet Repeater software.

*Invitations to be sent to neighbouring AR Clubs with a view to recipricoral visits.

The meeting closed at 9.15pm.

NEXT MEETING IS ON FRIDAY 25TH.MARCH

73 de Geoff VK3ADB.

APRIL MEETING: Bob (VK3BNC) will demonstrate the Club's new secret weapon in the war against NON-RESONANCE and STANDING WAVES. Come along and see Bob use BARG's latest acquisition, the MFJ ANTENNA SWR ANALYSER, after all you may have a need to use it yourself soon. Don't forget: Friday 29th.April - 7.30PM at the Education Centre in Hopetoun St.

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MINUTES OF MARCH MEETING HELD 25TH MARCH 1994.

Welcome: 31 members and 2 visitors (Neil and Don) were welcomed by the President (Cliff VK3CCB) to our March meeting.

Apologies: were tendered on behalf of the following: VK3's SE, NIZ, CIS, Wendy, DMK, FMC, TDG, MLH, XEX, FR, DET, AAP, AEX, VU, ADX, KIT and VK4DXC. (XDQ/CAZ)

Correspondence: from Amateur Radio Magazine, GARC News, EMDR & EC News and Illawarra RC News. (ADB/JFL)

Treasurer's Report: General Account Balance- \$359.39

Accounts passed for payment: - QSL Manager (Postage) \$6.40, Lara Electronics \$306.50 (KGL/CFB)

QSL'S: In 191 out 4. Comments were made on the short turnaround being experienced with European Cards - less than 12 months. Thanks again Doug.

Publicity / Newsletter: Suitable articles for the newsletter urgently required. Editor indicated that the April newsletter would be late because of disruption caused by Easter and School holidays, lack of articles, and our printer being on vacation.

Technical: Projects well in hand but installation held over because of work commitments.

Awards: Nil.

Hamvention: Initial groundwork proceeding.

Net: Pleasant company and good signals. - Well done!

Wicen: Gordon VK3FGC reported on the following activities: RMIT Car Rally, Operation Cobra, and World Cup Orienteering.

General Business:

*A generous donation of a TS820 Transceiver, SWR Bridge, Microphone and other accessories. Many thanks to Bill (VK3NVZ) for his generosity.

It was moved by Reg (VK3CAZ) and seconded by Charlie (VK3DCS) that a letter of thanks be sent to Bill (VK3NVZ) for his donation, and that a suitably inscribed plate be mounted on the rig. Carried.

The Publicity Officer is to arrange for a photograph of the above for the club archives.

* QSL Cards. - Investigation is continuing. A block would probably cost about \$70.00.

The committee is experiencing frustration with negative response from the supplier.

* Property officer and Librarian to investigate and install enhanced borrowing techniques for club property.

* It was decided to purchase new DX-USA World Call Books - \$112.00 (CAZ/BNC)

* A discussion on 'Operation Cobra' introduced by Gordon (VK3FGC) was deferred until the next meeting, as it was felt that the subject required more 'thinking through' by members.

* Packet Radio Seminar.- The club is to support the seminar to be held at the Education Centre on the 14th. and 15th. May. (AAI/XDQ)

* 'Fox of the year award' once again presented to the Infamous Duo for supplying 300mm (12") of dust (mostly bull) for the hunters. Well done Harry H. ! (NTA/BNC)

* It was reported that several BARG members had a great time at the Bendigo Convention with good weather, great company and fantastic bargains.

NEXT MEETING - 29TH. APRIL.

73 de Geoff VK3ADB

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REPEATERS

VK3RBA - VK3RBA - VK3RBA - VK3RBA - VK3RBA - VK3RBA - VK3RBA - VK3RBA - VK3RBA

As you can see VK3RBA is a repeater, in fact it is the Ballarat repeater situated on Mt. Buninyong, approx 10 KM. South of Ballarat at an elevation of 751 metres.

In this article we are going to use VK3RBA as an example of a typical 2 Metre repeater installation. It's input frequency is 146.150 MHz. and the output frequency is 146.750 MHz.. The main use of a repeater is to provide a link between two stations which are probably not within simplex or direct range of each other.

The simplest repeater arrangement is shown below in Fig. 1.

Here the receiver and transmitter have separate antennas and are connected together via a control unit which inserts the repeater ident. transmitter tail, and controls the transmitter output. This system has a number of problems which we will now discuss.

The first problem which may be encountered is that, with the transmitter and the receiver using different antennas, the areas which each may cover in reception may not be the same. This is not the ideal characteristic for a repeater. It is preferable to have the transmission area overlap the reception area as closely as possible.

The second problem is the fact that, even though the transmitter and receiver use different antennas, the frequency spacing of only 600 KHz. does cause the receiver to be desensitised by the transmitter output. Desensitisation is when the receiver front end is overloaded by the close, relatively higher power, of the transmitter. The solution is to space the antennas apart. For 2M operation the optimum distance is about 150 metres, not ideal if you want transmitter and receiver antenna coverage to be similar.

To fix the first problem the receiver and transmitter could be connected to the same antenna, this however will compound the second problem of desensitisation. This can be overcome by the insertion of filters into the input of the receiver and the output of the transmitter as shown in Fig.2. The receiver filter is chosen to pass the receive frequency of 146.150 MHz. but blocking the transmitter frequency of 146.750 MHz. and of course the transmitter filter is chosen to pass the transmitter frequency but will block any noise it might generate on the receive frequency.

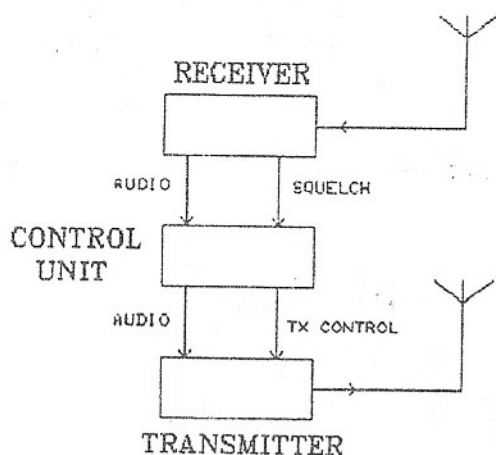


Fig 1.

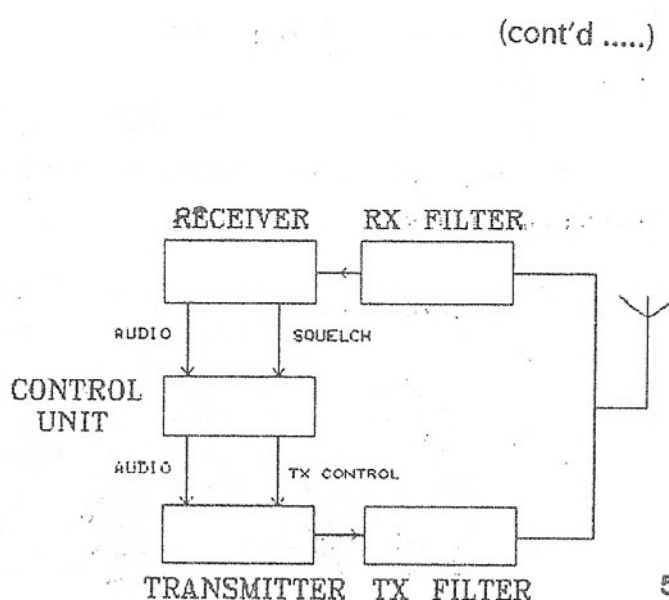
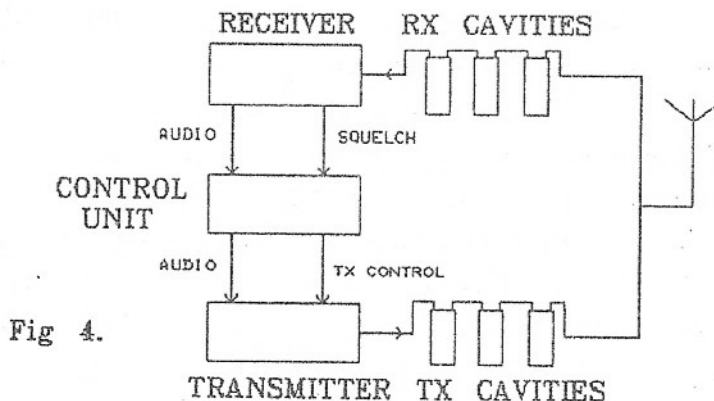
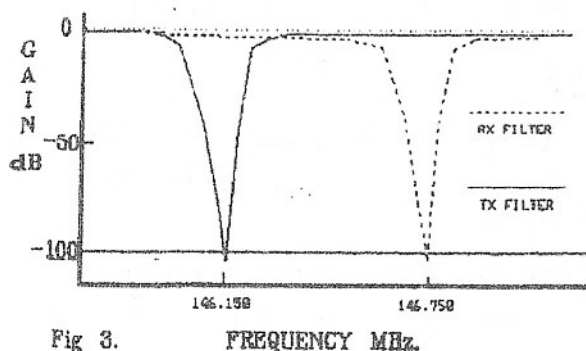


Fig 2.

(cont'd)

Figure 3 shows the characteristic of the filters required along with the required level of attenuation needed at the relevant frequencies, namely 90 to 110 dB.



These filters will be required to have a very high 'Q' to obtain the change from full attenuation to near zero attenuation only 600 KHz away. This is obtained by the use of what are called CAVITY FILTERS. VK3RBA has 3 of these cavities in both the transmitter and receiver. The layout is shown in Fig. 4.

End of Part 1. - Part 2 in next issue.

(Thanks to Tom VK3DMK the BARG Education Officer for this article.)

DEFINITIONS:

Seasonally affected powered vehicle - (**RUSTY CAR**)

Calorifically overloaded - (**FAT**)

Geographically embarrassed - (**LOST**)

Chronologically gifted - (**OLD**)

Knowledge - base non - possessor - (**IGNORAMUS**)

An individual with temporarily unmet objectives - (**A LOSER**)

Follicularly challenged - (**BALD**)

W.I.A. CALL BOOKS

1994 W.I.A. Call Books are now available to B.A.R.G. members at a super price. Keep track of SMA data, DXCC listings, Band Plans, Repeaters etc.etc..

Contact: Gordon VK3FGC
or Geoff VK3ADB.



Practical Wireless, November 1983

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COLOMBIA REVISITED

5 MONTHS IN HK3

(DAVID VK3YNB)

It was September 1993 and I was about to embark on my long awaited return visit to Colombia. I had checked up on the Amateur Radio licensing arrangements, and had found that, although all South American countries have reciprocal agreements with the U.S.A., no such agreement was in place with Australia, so I was interested to know how I would fare when it came to using the radio as I travelled through the country.

Shortly after my arrival in the Colombian Capital of BOGOTA I was able to contact the officials of the LIGA COLOMBIANA DE RADIO AFICIONADOS - an equivalent to our W.I.A. - who were very helpful. Their offices are housed in a very impressive building which is adorned with a very comprehensive 'antenna farm' covering all bands and modes. The radio room is quite extensive and very well equipped with several HF and VHF/UHF rigs operating as well as two 2 Metre Packet systems. Two operators were busily engaged in operating the HF rigs and were in contact on 14 MHz. and 7 MHz.. Apparently a roster of operators keeps these stations 'on air' most of the time.

The organisations hold meetings each Thursday night for the various activities conducted by the Group and they are very active in the schooling of prospective Amateurs as they conduct regular classes and examinations. A NOVICE licence does not require a CW test and entitles the operator to use VHF & 40 Metres with an output power of 2KW. A FULL CALL requires CW at 10 WPM and gives access to ALL HF and VHF/UHF bands, also with a power output of 2 KW.

The cost of a Full Call Licence is 81,510 Pesos (approx.\$110) and the 2nd. Grade Licence is 41,500 Pesos (approx \$56).

On making enquiries in regard to being able to operate on my HT rig, I was referred to the MINISTRY OF COMMUNICATIONS building in central Bogota where I was informed that I would be able to go 'on air' for 2 months without paying a licence fee, however it was necessary to apply for permission in writing and to produce a copy of my paid up Australian licence. After 2 months I would be required to pay the full 2nd. Grade licence fee to obtain an HK3 callsign.

I made contact with several American Amateurs who were among many Americans who work in and around Bogota. The repeaters in Colombia are 'closed repeaters' in that they are owned and operated by RADIO AFICIONADOS and other clubs and require subtones to gain access for operation by various club members or authorised operators.

The Colombian Red Cross have Amateur Radio installations in several of their district headquarters to supplement their own communications network in times of emergency.

As with most international travelling the language can present quite a problem at times, but with some thought and perseverance this can usually be overcome, as in the world of Amateur Radio operators show great patience and are determined to assist the visitor in any way they can.

Some Examples: Shielded braiding - Maya protectora
Single Sideband - Banda lateral unica.
Lower Sideband - Banda lateral inferior
Amateur Radio Operator - Radioaficionada
Callsign - Indicativo

Atmospheric noise - ruido atmosferico

The Amateur Bands translate to Dos, Diez, Quince, Veintiuno and Ochenta Metres. (2, 10, 15, 20, and 80 metres.)

..... P.T.O.

A typical CQ call becomes: "CQ,CQ,CQ. Hola CQ,CQ,CQ. quince metros. Llama CQ en Quince metros. Esta es W2XYZ Esta es W2XYZ Llama CQ y sintoniza para unal llamada. Adelante."

(CQ,CQ,CQ, Hello CQ,CQ,CQ. 15 metres. Calling CQ on fifteen metres. This is W2XYZ. This is W2XYZ calling CQ and tuning for a call. Go ahead.)

Recognition of the call is made much harder by the fact that the sound of some of the more common phonetics are changed, eg. CQ sounds like "Say Coo", QRM sounds like 'Coo Ere Eme'(QAM), and QRA sounds like 'Coo Ere Ah' (QAR). However, patience usually triumphed, and before long it was quite easy to greet my newfound radioaficionada friends "Buenas tardes colega - El reporte de tu senal es cinco por nueve."

Electronic stores abound in Bogota. The two main stores sell Ham Radio equipment from the three main manufacturers, and undertake ALL electronic equipment servicing. In 3 city blocks I counted 52 electronic parts suppliers selling all manner of electronic and radio parts from micro chips to HUGE rectifiers and the like.

The cities of Bogota, Medellin and Girardot (pronounced hit-a-dot) are quite large and have varying climates. Bogota has an altitude of 2650 Metres and an average temperature of 57°F whereas Medellin and Girardot are bordering on the tropical rainforests and have average temperatures of about 84°F. Nearby Mt. Monserrate has an altitude of 3910 Metres and affords magnificent views of distant mountain ranges and the Bogota Plains. Columbia abounds with Museums, Art Galleries, Cultural Displays, Art, Craft and Food Markets, Theatres, Fine Restaurants and Clubs, and the Hotels offer really first class accommodation.

Historically the Plain of Bogota was the original seat of the ancient Muisca civilisation. The Muisca Indians were skilful craftsmen and goldsmiths and developed complex techniques for melting and moulding gold. They created marvellous works of art dedicated to the worship of their gods. The initial conflict between the Indians and the Spanish in 1538 and the later integration of the two cultures has bought about the intermixing which is so evident in modern day Bogota, now a city with 5 million inhabitants.

During my stay the Colombian President decreed that a population census should be conducted, and on Sunday the 24th. October ALL transportation was stopped for the day, All shops were closed and movement of the public was prohibited, without special authority, for the whole day, while Census takers moved from house to house. Those found contravening the laws (some 10,400 of them) were detained for the duration of the census. The population of Colombia is approx. 33. Million.

The San Agustin Archaeological Centre is Colombia's most popular tourist attraction with its haunting stone statues carved by the obscure Agustinian civilisation so many centuries ago. These monoliths make San Agustin the most studied and most visited archaeological site in the country. The relics disclose many aspects of religion and the daily life and fate of this civilisation that left little for antiquity but their stone carvings

Colombia is a very interesting country in many ways and has its share of outstanding natural beauty and culture, but, after my five months stay, I must admit that it was great to return home to the 'lucky country' and the lifestyle to which we are more accustomed.



73 de DAVID (VK3YNB)

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DOWN MEMORY LANE

FAMILY DAY- October 1982

On Sunday the 26th. September our club conducted a Family Day, commencing with an observation car trial from the Curtis St. car park to the Lal-Lal falls.

Ten cars entered the trial and the winner was Mrs.J.Smith, second was Bill Greiner and crew, and third was Richard Hoskin and crew, with Michelle Smith and Debbie Preno sharing the Booby Prize. (I didn't run a place because the navigator went to sleep. - Ed.)

A BBQ lunch was held with 14 members and families in attendance. In the afternoon various activities were held:

Childrens Beeper Hunt Winners: Sandy Hilverts, Debbie Preno, Michelle Smith.

10 Metre Scramble: George VK3DOK. 10 Metre Fox Hunt: Richard VK3VWT.

2 Metre Fox Hunt: Dick VK3AEX.

Geoff (VK3NLZ), Peter (VK3KAI), Harry (VK3KGL), and Neil (VK3NIQ), were the foxes. They had a chance to check their gear in readiness for the Convention. The event lacked competitors, so come on guys, build up some hunting gear before the Convention. Only if you enter will you win a good prize and at the same time.

In the Ladies Rig Throwing contest Mrs.G.Davidson was the winner with a throw of o 6.75 metres, second was Mrs. D. Greiner with 6.7 metres and third Mrs. J. Forrester with a throw of 6 metres.

G. FOWLER VK3DOK

PHASE 3D FREQUENCY INFORMATION (Oscar News - #105)

From ON6UG: During the Payload Engineering meeting in Garching, Germany the following frequencies were determined for the P3D International Satellite:

- * 1. 21.210 MHz. 21.250 MHz. uplink only (HF band), Mode K.
- * 2. 29.330 MHz. CAM (Compatible Amplitude Modulation) downlink only. (no transponder) Spare frequencies are: 29.310 MHz., 29.320 MHz., 29.340 MHz. and 29.350 MHz. Mode A.
- * 3. 145.805 MHz. - 145.995 MHz. uplink and downlink, Mode V.
- * 4. 435.200 MHz. - 435.700 MHz. uplink 1, 436 MHz. - 436.500 MHz. uplink 2, 435.300 MHz. - 435.700 MHz. downlink, Mode U.
- * 5. 1268.5 MHz. - 1269.0 MHz. uplink 1, 1269.0 MHz. - 1269.5 MHz. uplink 2, Mode L.
- * 6. 2400.5 MHz. - 2400.9 MHz. downlink, 2400.1 MHz. - 2400.5 MHz. uplink, Mode S.
- * 7. 5840 MHz. centre frequency channel 25 kHz. wide, downlink only, Mode C.
- * 8. 10451.0 MHz. - 10451.5 MHz. downlink, Mode X.
- * 9. 24048 MHz. downlink channel 25 kHz. wide, Mode Ka.

Each frequency band 500 kHz.wide (uplink) and 400 kHz.wide (downlink) except the Mode V is divided in an analog segment and a digital segment. The digital segment is in the lower frequency part of the band, the analog segment is in the upper frequency part of the band.

The uplink segments are of equal width for both analog and digital modes. The downlink segment for digital modes is 150 kHz. wide. Analog mode downlink is 250 kHz. wide.

The exact position of the beacons will be determined as soon as all relevant information is available.

The frequencies are FINAL and can only be changed for VERY good reasons.

Note that with the P3D, the mode designations are changed according to Dick Jansson, WD4FAB, designations:

Old Mode B = Mode UV

Old Mode J = Mode VU

To avoid confusion, especially for newcomers, it is recommended that the new mode designations are used for all satellites.

(Thanks to Daryl VK3XDQ)

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LIBRARY NEWS



Richard (VK3JFL) our Librarian, announces that he has on hand a considerable number of pre-loved magazines from the 1960-1970 era. They include A.R., QST, and A.R.A. and may be taken out on loan by contacting Richard on air, or by making arrangements on (053) 337045.

It is pleasing to note that Richard has reported good patronage of his book collection, and is still keen to hear from any member who may have suitable books which they may be prepared to either donate or loan, to supplement the Library Catalogue. Thanks in anticipation.

NEWSLETTER ARTICLES

Once again I must ask that members consider submitting articles for publication in the Newsletter.

Surely there must be quite a few members who have information on projects that would be of interest to other BARG members. It is of little consequence if the project is rather elementary, or if it is of a technical nature, as I feel that we should be encouraging our newer Novice members to undertake project construction, and of course the thirst of our more skilled people for technical topics can never be sated.

Maybe you have undertaken a trip and can report on the gear you took with you and how it performed. I am sure that others contemplating a trip would like some guidance on preferred equipment.

Radio orientated humour is always welcome either as a story, quote or cartoon, as is a brain teasing problem, or a cunning invention that you may need some advice on.

Your contribution of an article will certainly make the Newsletter more interesting, and help me to reduce the "far too protracted involvement" (Val's words) required to produce an edition.

PLEASE HELP. It is quite painless - costs you nothing - and benefits BARG, our hobby and ME. (Ed.)

FOR SALE : YAESU FT757-GXII HF TRANSCEIVER

In very good condition - Recently overhauled by DSE. - \$1100.

VK3NIZ (Ted) Phone 053-323340 - ANY TIME.

(My apologies to Ted for getting the Model No. wrong in the February Newsletter. (Ed.))

FOR SALE: YAESU FT101E HF TRANSCEIVER - WITH MATCHING SPEAKER

RECENTLY OVERHAULED. - \$450

Or will swap for a suitable (smaller) Mobile HF Rig.

VK3NBM (Barry)

FOR SALE:

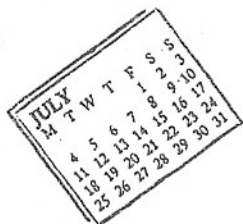
- * AKAI COLOUR VIDEO CAMERA with Portapak, Tuner & Remote Control \$220.
- * AKAI COLOUR VIDEO CAMERA - Slightly low in colour. \$90
- * FT 101Z HF TRANSCEIVER - 160M to 10M including WARC bands. \$525
- * FT 200 HF Transceiver 80M - 15M only \$120
- * FT 50 HF Transceiver 80M to 10M. \$90
- * FOUR CB SETS (2- SSB, 2- AM.) Some minor repairs needed. \$50
- * VHF AND UHF MOBILES Suitable for RF Power Transistors, C/O Relays
Some in good order. 13 units for \$70
- * DOWKEY COAX. ANTENNA CHANGEOVER RELAYS \$10 ea.

VK3AXH (Ian) 201 Eddy St. Mt. Helen.

94/04 //



EVENTS CALENDAR



APRIL

29th. BARG Meeting.

MAY

6th. Packet Ops. Information Night.

13th. Natter Night.

14th. Moorabbin & District RC Hamfest.

21st. Mildura / Renmark RC Convention.

27th. BARG Meeting - Junk Auction.

JUNE

4th/5th. Victorian Packet Seminar.

10th. Natter Night.

18/19th. VK Novice Contest.

24th. BARG Meeting.

AAAAAAAAAAAAAAAA

PACKET OPS. INFORMATION NIGHT. Conducted by Peter VK3AVE

Friday 6th. May - Venue: Education Centre Hopetoun St. at 7.30 PM.

VICTORIAN PACKET SEMINAR.

The next Victorian Packet Seminar will take place on Saturday the 4th. June and Sunday the 5th. June at :-

The Education Centre

Hopetoun St.

Ballarat

Talk-in will be via the

local repeater VK3RBA

on 146.750 MHz.

Please advise Club/Group name and number of persons attending by :

1. Sending a mail message to VICCNF @ VK3BBS or

2. Write to Victorian Packet Conference P.O. Box 299 St. Albans Vic. 3021.

SATURDAY 4th. JUNE (9.00 AM to 5.00 PM.)

- * What is Packet and What do I need to get into Packet Radio.
- * Using Packet BBS and Mail.
- * Using Packet Networks (NET/ROM and others.)
- * Using TCP/IP
- * Using the Melbourne Packet Wormhole VK3RUM
- * Using Conference Bridges.
- * Using TPK
- * Introduction to Higher Speed Packet Operation.
- * Understanding the Victorian Packet Network structure and facilities.
- * Talks by Victorian Radio Club representatives. Radio Club Representatives are invited to talk on how their club uses Packet Radio and how their club would like to see Packet in Victoria progress in the future.
- * Open forum to discuss the current Victorian Packet Network and future direction.

SUNDAY 5th. JUNE.

- * SYSOPS and Repeater Groups Meetings.

There will be a fee charged for entry to cover the cost of the Seminar Kit and Associated Software.

73 de Peter VK3AVE (for the Victorian Packet Network Conference Committee.)

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MOVING

Here we are, we're moving shacks,
We're packing all our gear.
Boxes of junk, and equipment racks,
You'd be surprised what's in here.

I've always said that I don't hoard,
But I'll have to change my mind.
There are so many useless bits I've stored,
That I didn't expect to find.

I found some old electro caps,
Some chokes and transformers too,
So if your doing construction chaps,
Well no ! They're not like new.

But I am sure if you're really stuck
And you haven't got the loot
These will work, with a bit of luck,
And work pretty well , to boot.

There are bits and pieces for all modes,
Scanners, radios and some computer parts,
Pots , lamps , knobs , two dummy loads,
Ne'er a clue to where the benchtop starts.

What should I do with this 'awful sight'
Saved over months and years ?
I'll bring it all to the BARC Junk Night
And share it among my peers.

LBA

B.A.R.G.

THE BALLARAT AMATEUR RADIO GROUP INC.

A GROUP OF RADIO ENTHUSIASTS LICENSED TO EXPERIMENT
WITH RADIO COMMUNICATIONS ON AN AMATEUR BASIS.

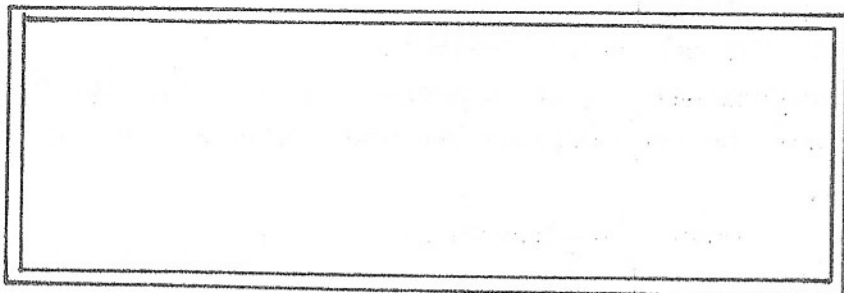
NEW MEMBERS ALWAYS WELCOME



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OFFICIAL NEWSLETTER OF THE BALLARAT AMATEUR RADIO GROUP INC

B.A.R.G. NEWS



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